

Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) EP 0 779 587 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
15.10.1997 Bulletin 1997/42

(51) Int. Cl.⁶: G06F 17/60

(43) Date of publication A2:
18.06.1997 Bulletin 1997/25

(21) Application number: 96114545.5

(22) Date of filing: 11.09.1996

(84) Designated Contracting States:
DE FR GB

(72) Inventor: Koreeda, Hiroki
Tokyo 156 (JP)

(30) Priority: 15.12.1995 JP 348056/95

(74) Representative: Pfenning, Meinig & Partner
Mozartstrasse 17
80336 München (DE)

(71) Applicant: Kabushiki Kaisha N.K Kikaku
Tokyo 160 (JP)

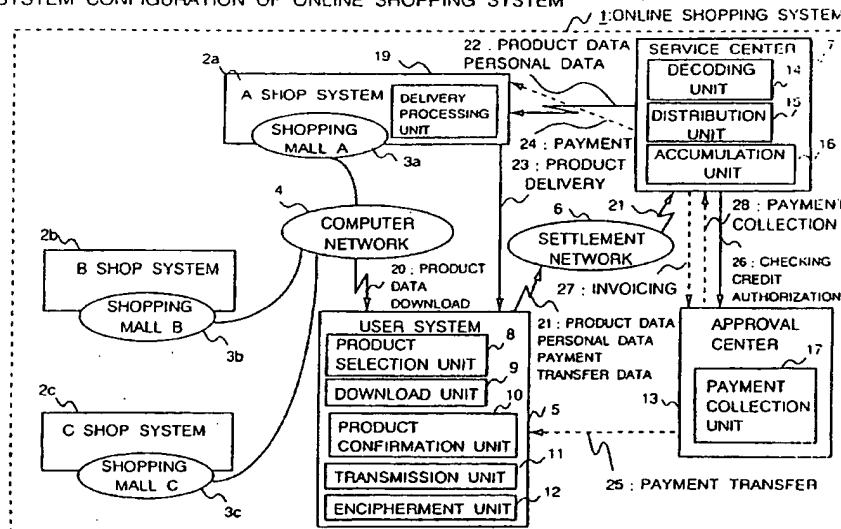
(54) On-line shopping system and the method of payment settlement

(57) When performing on-line shopping using the Internet, and when performing payment settlement for a product by a credit card, user's card data runs over the Internet, leaving the possibility of card data leakage, thereby causing a security problem. The user decides the product he or she wants to buy via a computer network (Internet) from a user system. Then, a transmission unit calls up a service center to send order data

including the credit card data via a settlement network. Service center invoices the sales price to an approval center based on the order data. Approval center pays the price to service center. Then, service center sends the order data to the shopping system. A delivery processing unit then delivers the product to the user based on the order data.

Fig. 1

SYSTEM CONFIGURATION OF ONLINE SHOPPING SYSTEM



BEST AVAILABLE COPY

EP 0 779 587 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 96 11 4545

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X Y A	WO 95 16971 A (OPEN MARKET INC.) 22 June 1995 * page 1, line 5 - page 6, line 28 * * page 8, line 10 - page 23, line 20 * ---	1-3,8, 13-15 4,5 6,7, 9-12, 16-19	G06F17/60
Y A	WO 95 12859 A (VISA INTERNATIONAL SERVICE ASSOCIATION) 11 May 1995 * page 1, line 7 - page 2, line 10 * * page 17, line 21 - page 19, line 31 * ---	4,5 1-3,6-19	
Y A	US 4 823 264 A (DEMING, GILBERT R.) 18 April 1989 * See Abstract, claims and figure 1* ---	4,5 1-3,6-19	
A	COMPCON '95. TECHNOLOGIES FOR THE INFORMATION SUPERHIGHWAY. DIGEST OF PAPERS (IEEE COMPUT. SOC. PRESS), 5 - 9 March 1995, LOS ALAMITOS CA, USA., pages 32-36, XP0000577009 NEUMAN BC; MEDVINSKY G: "REQUIREMENTS FOR NETWORK PAYMENT: THE NETCHEQUE PERSPECTIVE." * See Abstract and sections 2-6* -----	1-19	TECHNICAL FIELDS SEARCHED (Int.Cl.6) G06F H04N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 August 1997	Examiner Gardiner, A
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 (01.82) (P4/C01)